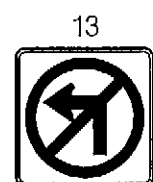
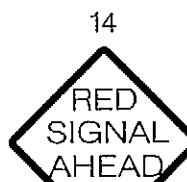
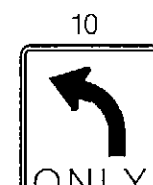
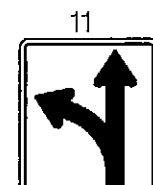
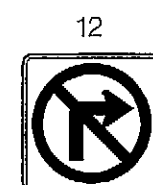


## EXISTING SIGNS

R3-2  
24' x 24'RED SIGNAL  
AHEAD  
60' x 60'  
L.E.D.R3-5L  
30' x 36'R3-5L  
30' x 36'R3-1  
24' x 24'MD 3 IS ASSUMED TO RUN IN  
A NORTH-SOUTH DIRECTION

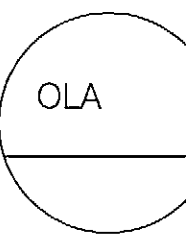
## EXISTING SIGNALS

4,5  
R  
Y  
G  
G  
12"1-3,  
6,8,9  
R  
Y  
G  
12"7  
R  
Y  
G  
8"EXISTING VIDEO  
DETECTION CAMERA

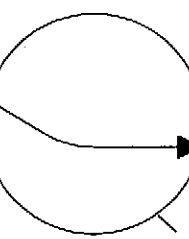
A,B

## NEMA PHASING

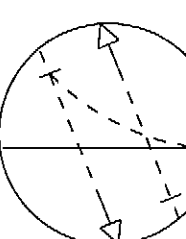
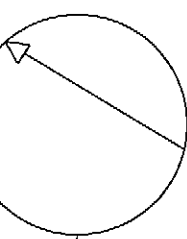
Ø 2



Ø 3



Ø 4



Ø 8

FLASHING  
OPERATION

PHASING NOTES:  
1) PHASES ASSOCIATED BY A DASHED  
LINE WILL OPERATE CONCURRENTLY.  
2) PHASES ASSOCIATED BY A SOLID LINE  
WILL NOT OPERATE CONCURRENTLY.

## MD 3 NORTHBOUND (CRAIN HIGHWAY)

## PROJECT DESCRIPTION

## GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF BATTERY BACK-UP AT THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 3 N/B AND MD 175 IN ANNE ARUNDEL COUNTY, MARYLAND. MD 3 N/B IS ASSUMED TO RUN IN A NORTH DIRECTION.

## EQUIPMENT LIST "A"

## A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9104	1 EA.	CONTROLLER CABINET SIZE "S" W/CTRL. VIDEO INT. 1-8 CAMERAS
9110	1 EA.	UPS EQUIPMENT FOR "S" CABINET

## EQUIPMENT LIST "B"

## B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA.	MAINTENANCE OF TRAFFIC
8013	1 EA.	F&I EMBEDDED SERVICE PEDESTAL
8017	1 EA.	F&I POLICE CONTROL
8027	1 EA.	REMOVE & DISPOSE OF EQUIPMENT
8043	110 LF.	F&I UP TO 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT
8047	50 LF.	F&I NO. 6 BARE COPPER GROUND WIRE
8050	120 LF.	F&I ELECTRICAL CABLE NO. 8 AWG-THHN/THWN

## CONSTRUCTION DETAILS

- INSTALL EMBEDDED METERED SERVICE PEDESTAL.
- INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
- INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- USE EXISTING CONDUIT
- USE EXISTING HANDHOLE
- REMOVE EXISTING SIZE 6 CABINET, INSTALL SIZE "S" CABINET, CONTROLLER, AND UPS EQUIPMENT.

## GENERAL NOTES

- THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
- THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
- CAP AND ABANDON ALL UNUSED EXISTING CONDUIT.
- ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS.

## GEOMETRIC LEGEND

EXISTING  
PROPOSED

## UTILITY LEGEND

AERIAL CABLE  
ELECTRICAL  
TELEPHONE  
GAS  
SEWER  
WATER  
CABLE TV

APPROVALS	REVISIONS
TEAM LEADER	CONTRACT XY1306185
ASST. DIV. CHIEF	3/15/2013
DIVISION CHIEF	3/15/2013
OFFICE DIRECTOR	3/15/2013

**SHA**

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN  
MD 3 NORTHBOUND (CRAIN HIGHWAY) AND  
MD 175 (ANNAPOLIS RD) MILLERSVILLE RD  
MILLERSVILLE, MARYLAND

SCALE 1"=20' DATE 1/15/1972 CONTRACT NO.

DESIGNED BY T. ZAYDEL COUNTY ANNE ARUNDEL  
DRAWN BY T. ZAYDEL LOGMILE 02000305.72  
CHECKED BY K. SCHMID T.I.M.S. NO.  
F.A.P. NO. NA TOD NO.

TS-180 K DRAWING NO. SHEET NO. 1 OF 2